

### ABSTRACT

A diesel particulate matter reduction system is provided which comprises a diesel particulate filter (DPF), an electric power supply device, a heater, an air blower, and a control unit. The DPF is configured to capture particulate matter of exhaust gas. The heater is configured to be operated by electric power supplied by the electric power supply device to heat the DPF. The air blower is configured to be operated by electric power supplied by the electric power supply device and provides air to the DPF. The control unit controls operations of the heater and the air blower.